

Figure 1

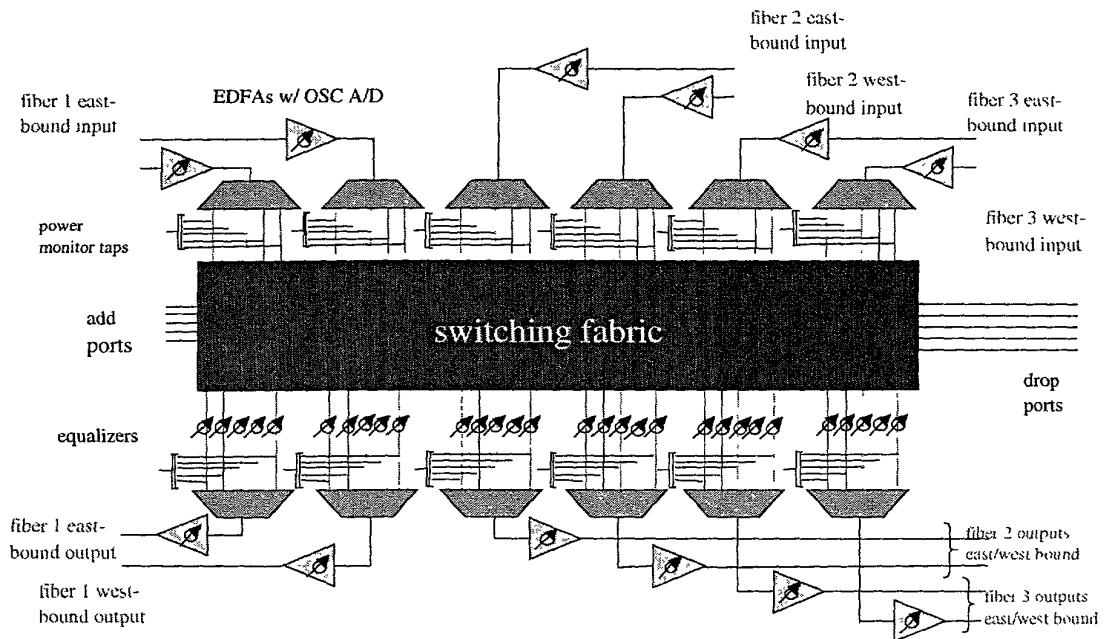


Figure 2

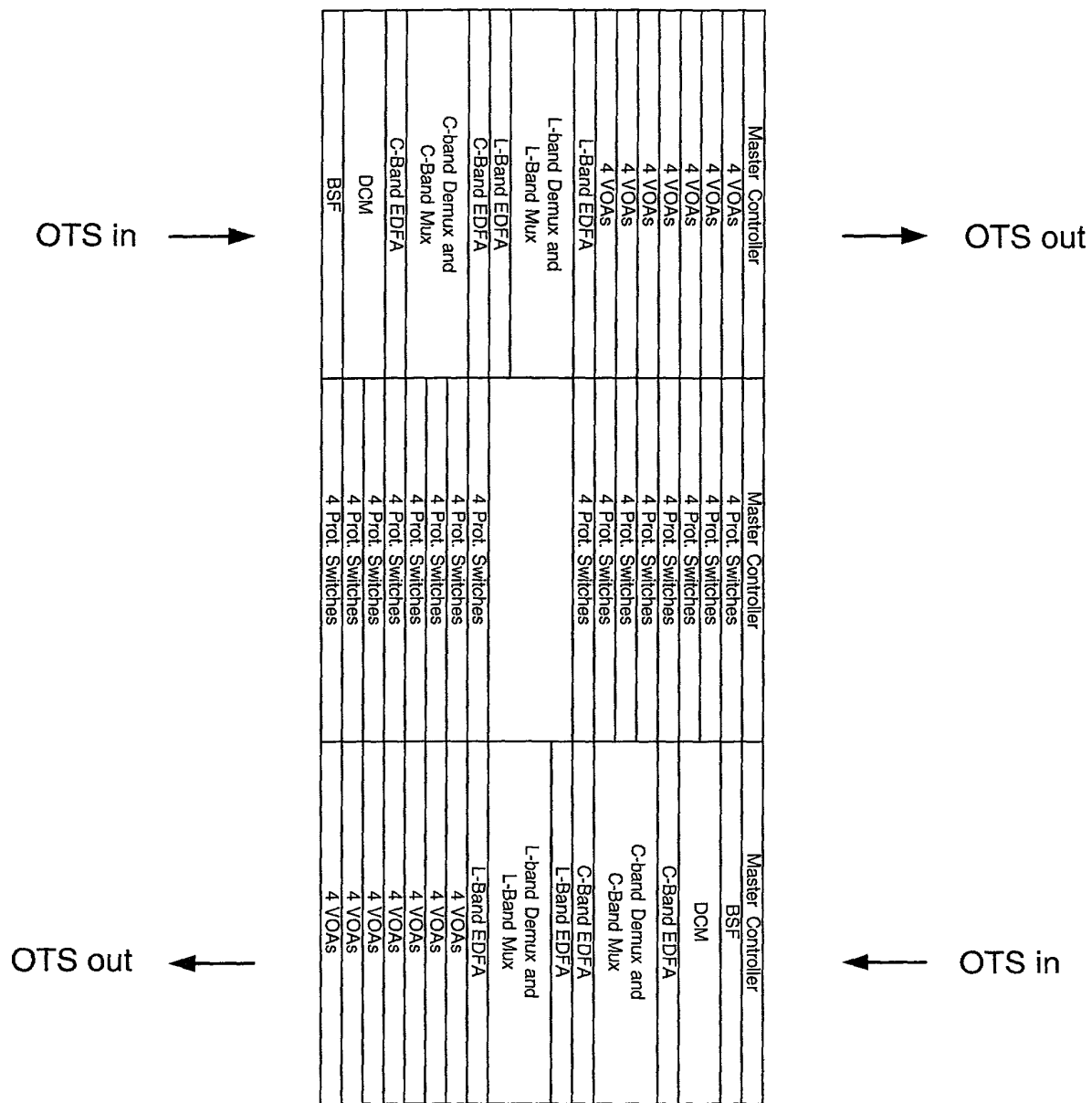


Figure 3

The diagram illustrates a two-stage gas turbine engine. The first stage (left) consists of a compressor (HESP) and a turbine (TES) connected by a shaft. The second stage (right) also consists of a compressor and a turbine, connected by a shaft. The two stages are mechanically coupled. Arrows indicate the flow of air and the direction of rotation.

Figure 5

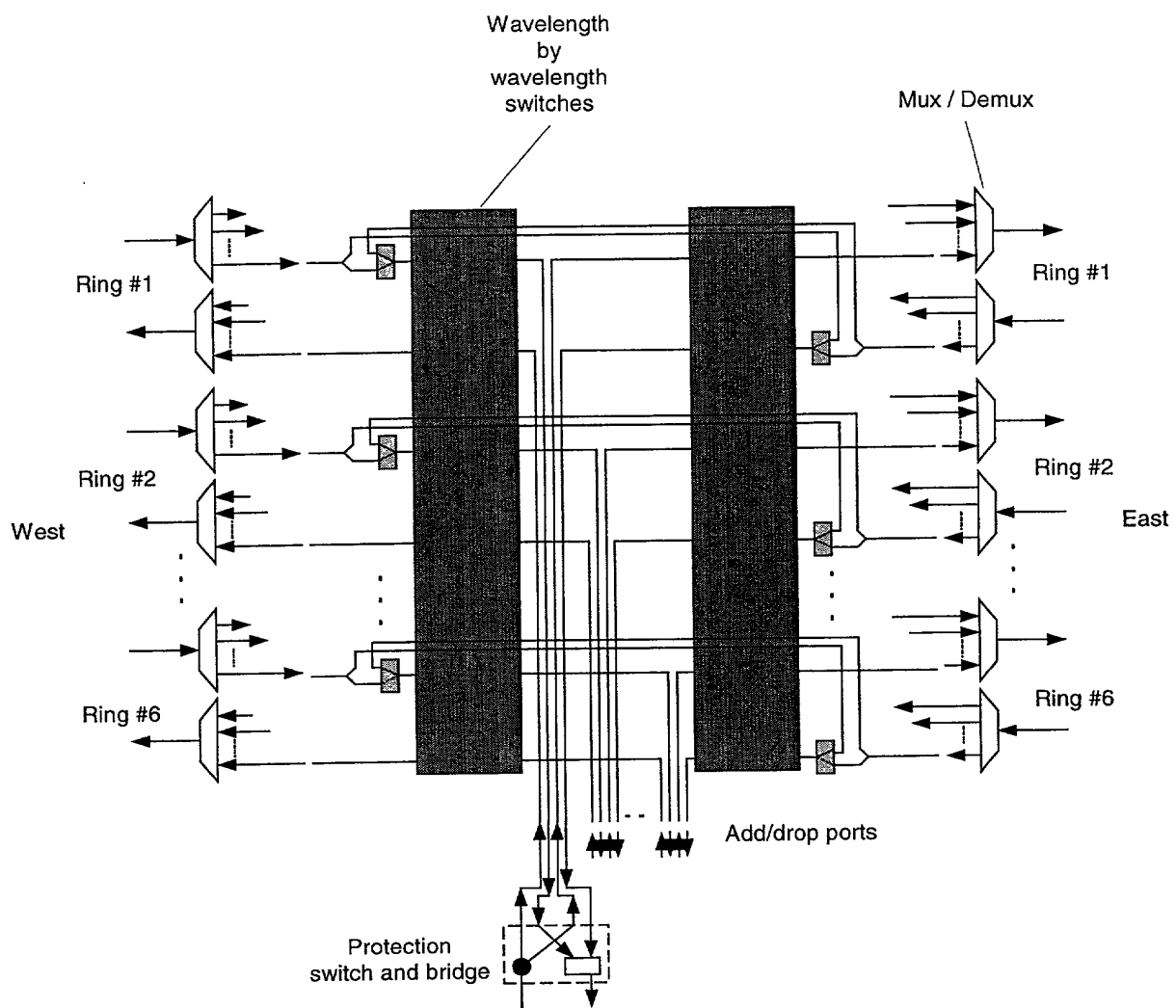


Figure 6

Figure 7

Figure 8

Figure 9

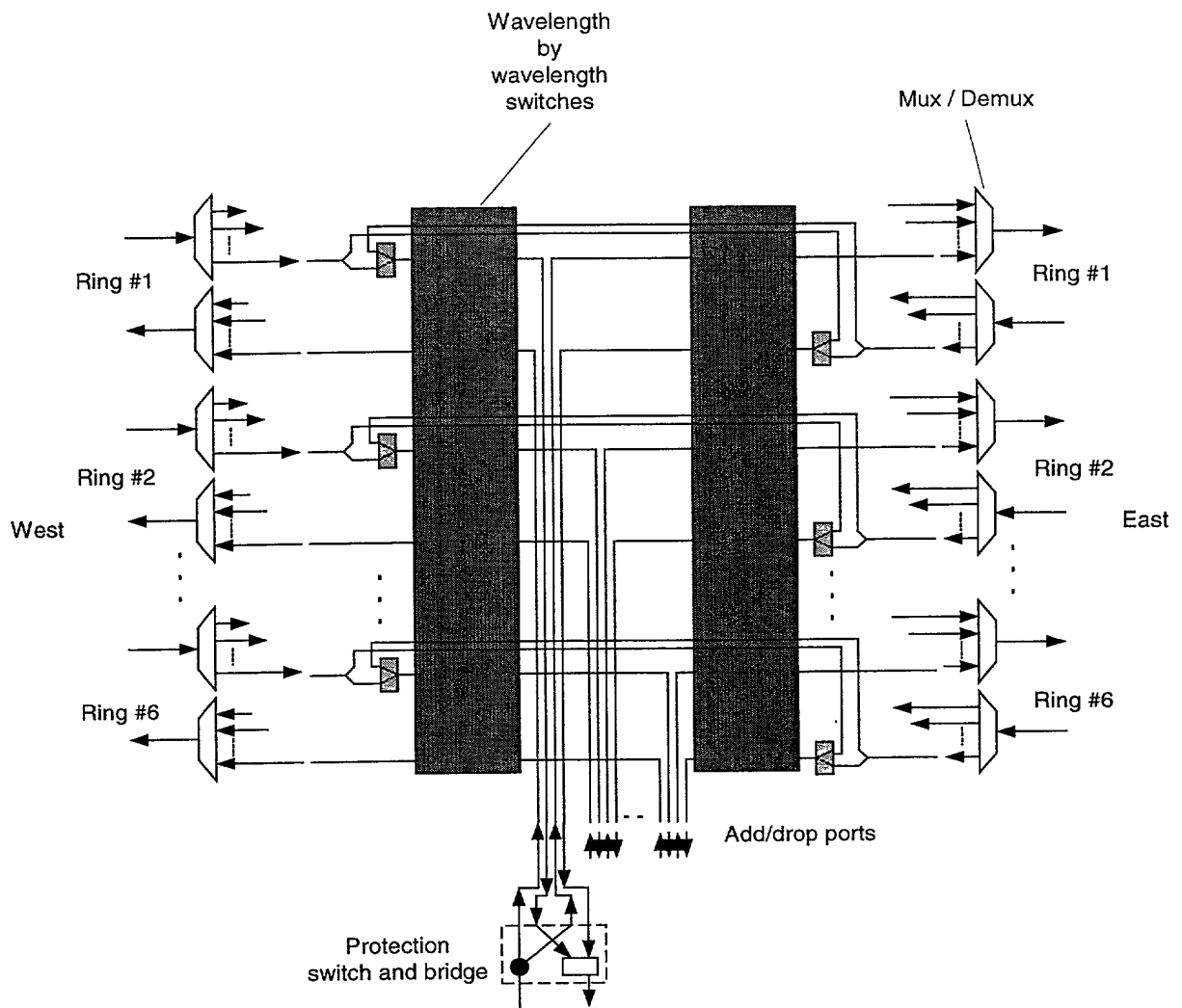


Figure 10

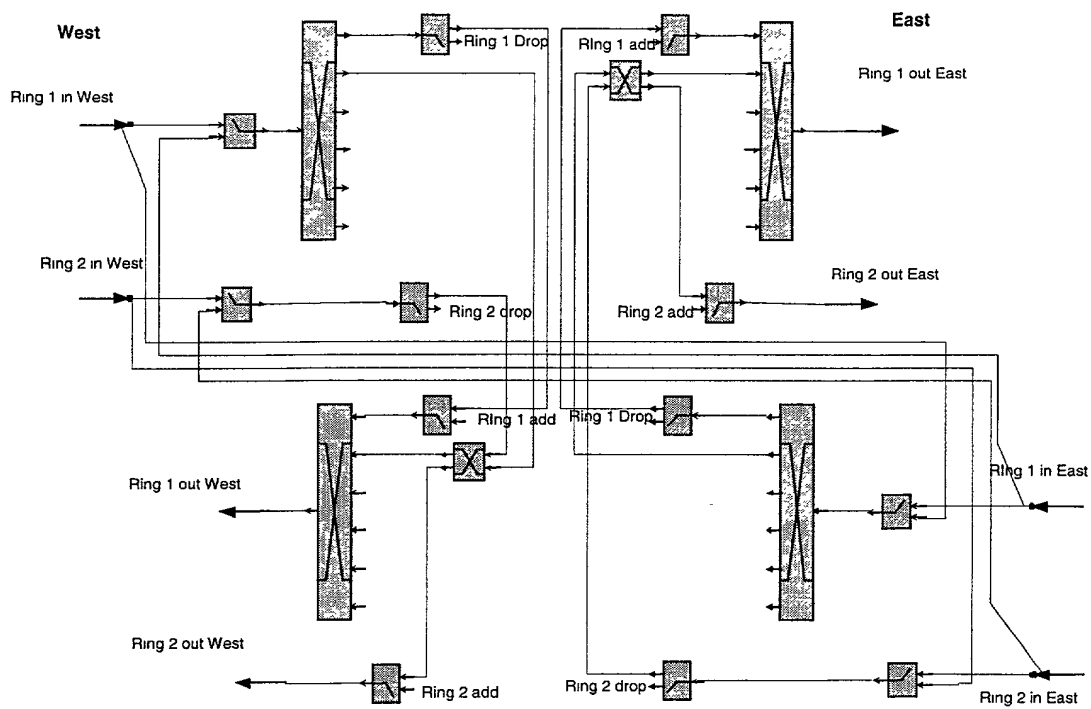


Figure 11

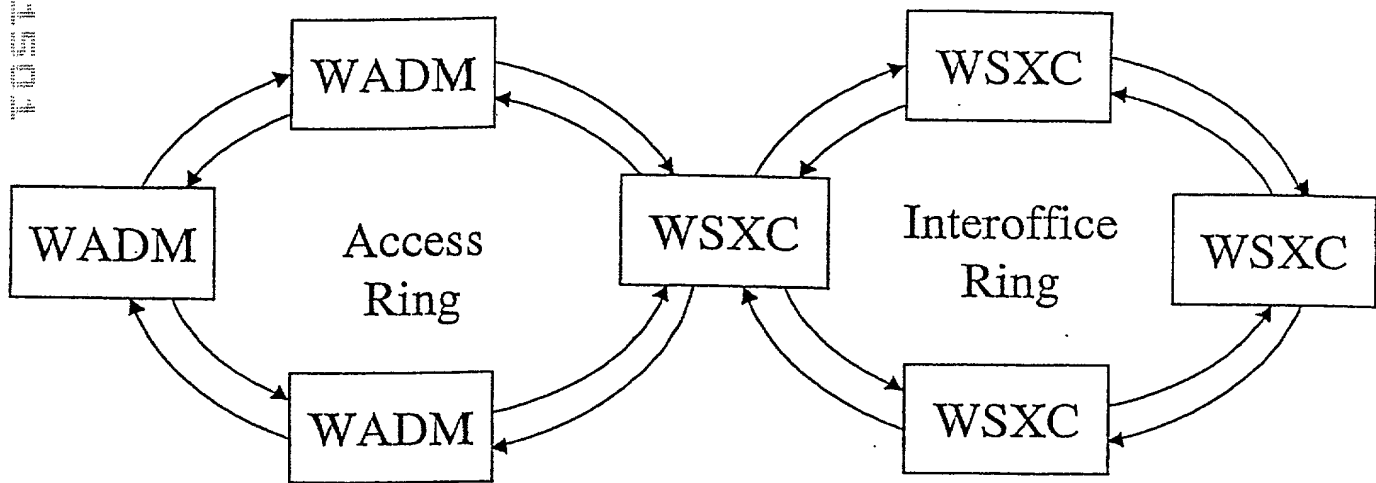
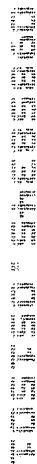
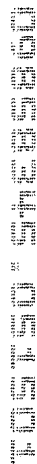


Figure 12

[illegible][illegible][illegible][illegible]

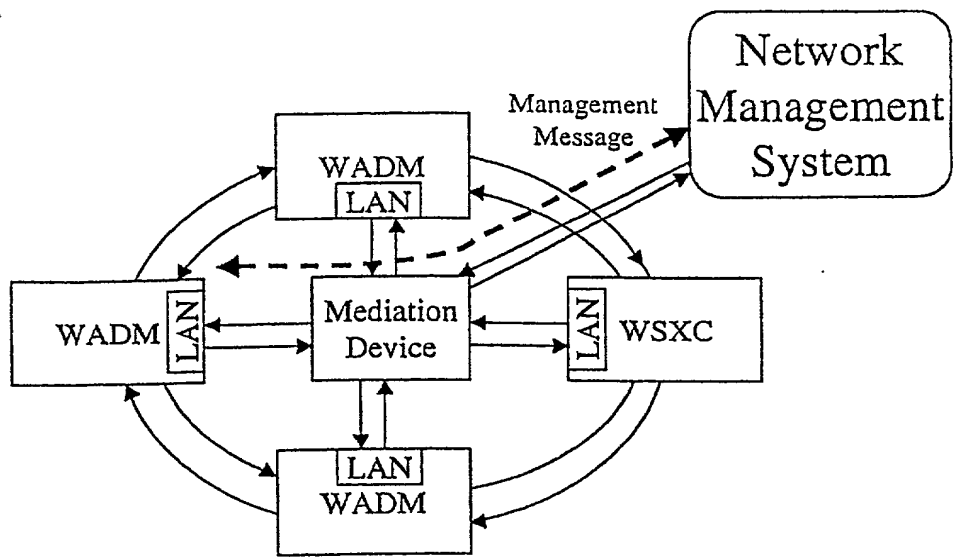


Figure 15

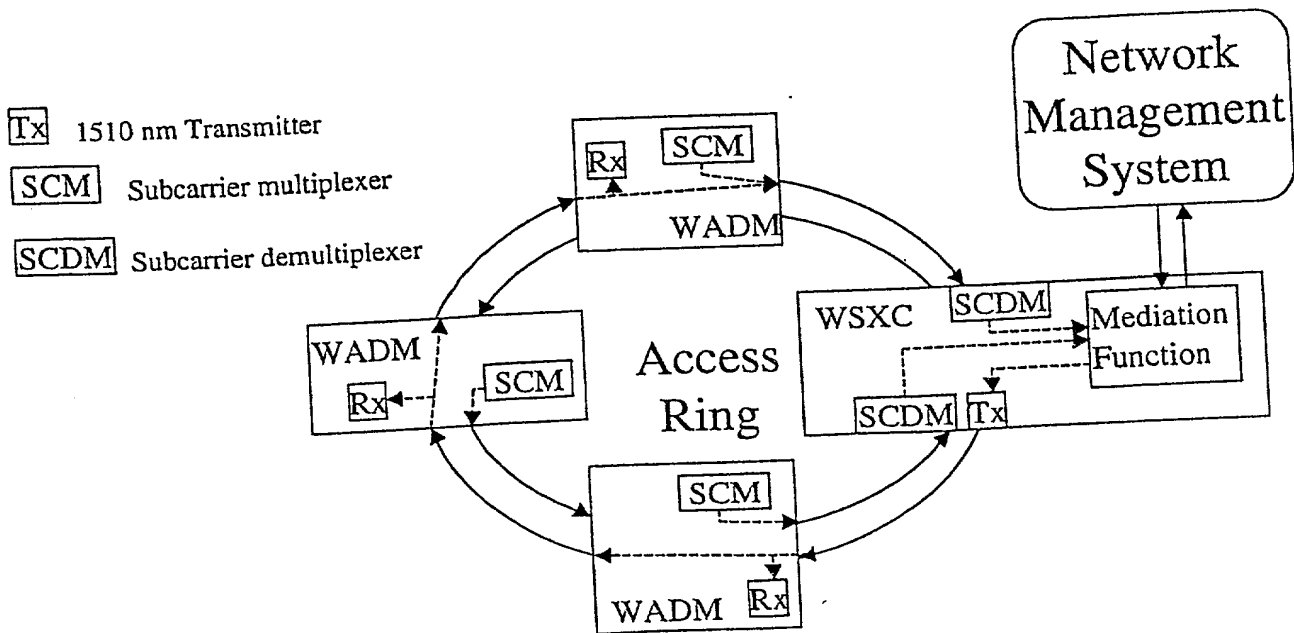


Figure 16

NMS to Ring Node 1	...	NMS to Ring Node N	Ring Node 1 to East Neighbor	Ring Node 1 to West Neighbor	...	Ring Node N to East Neighbor	Ring Node N to West Neighbor
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Figure 17

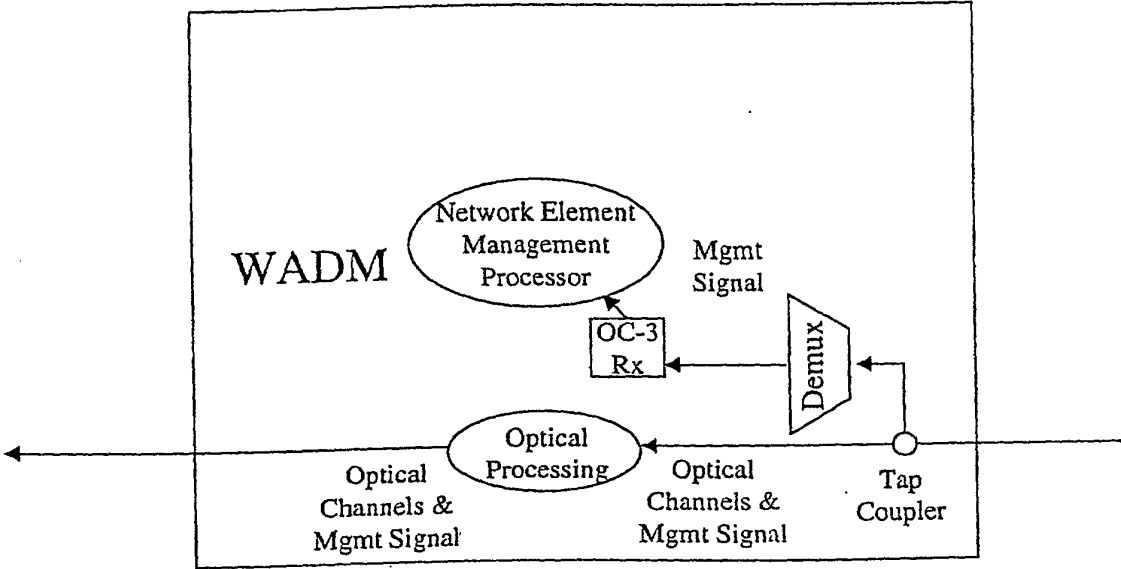


Figure 18

Ring Node J to East Neighbor	Ring Node J to West Neighbor	Ring Node J to NMS
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Figure 19

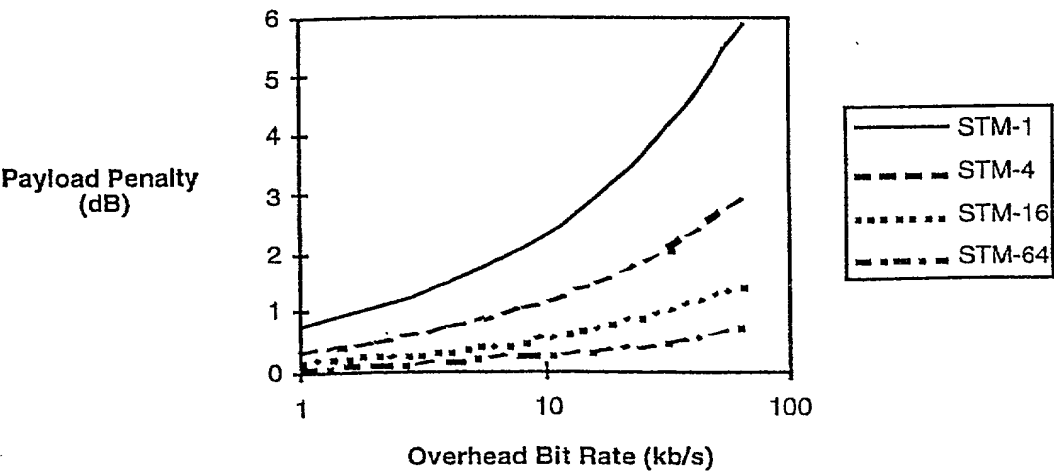


Figure 20

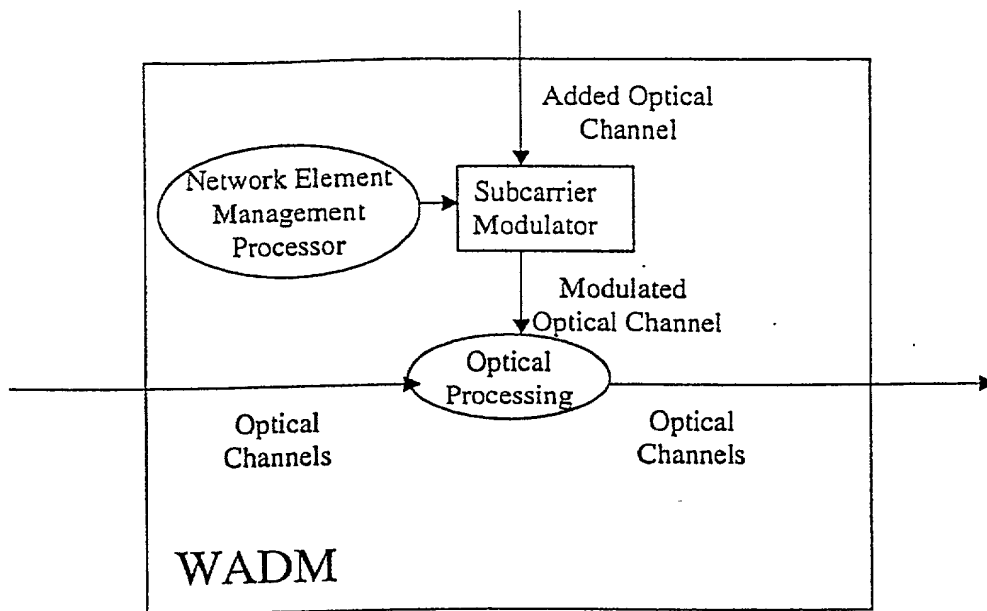


Figure 21

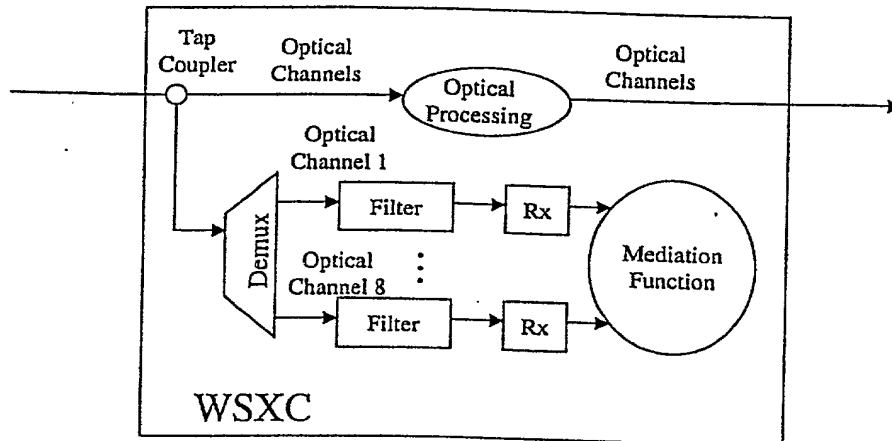
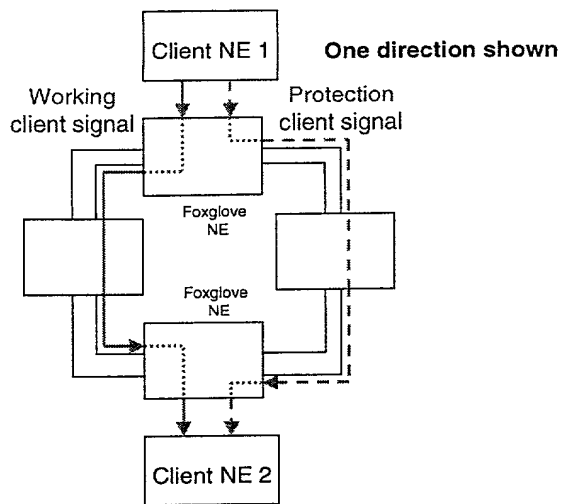
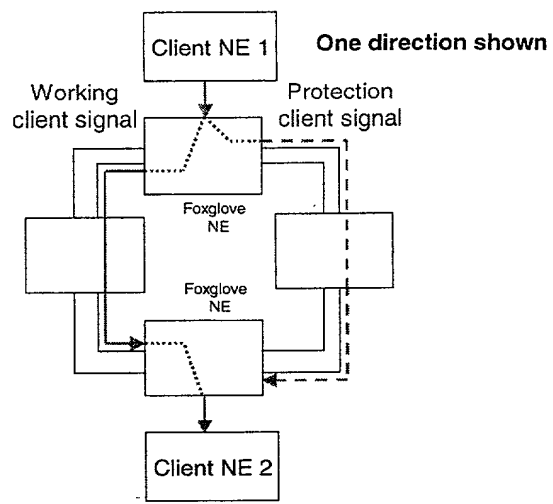


Figure 22



A



B

Figure 23

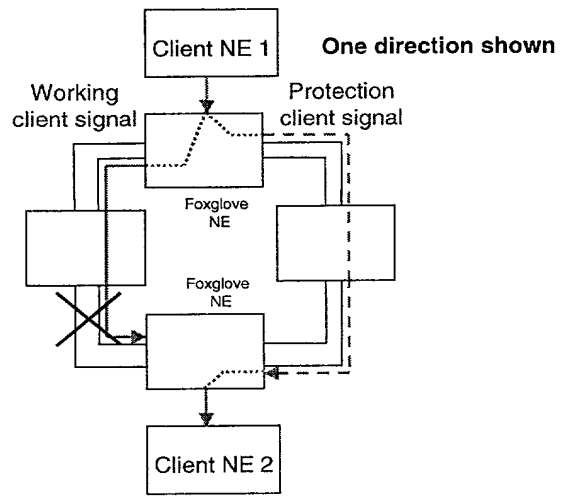
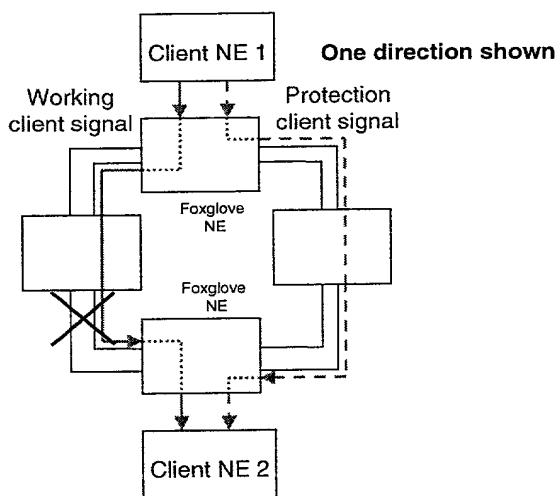


Figure 24

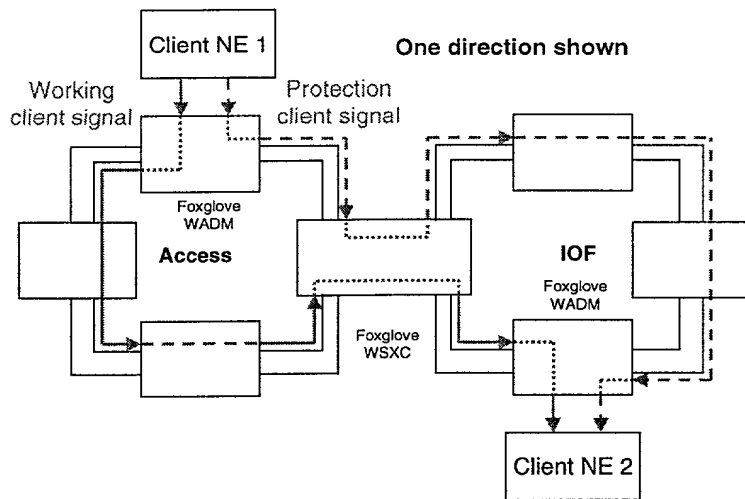


Figure 25

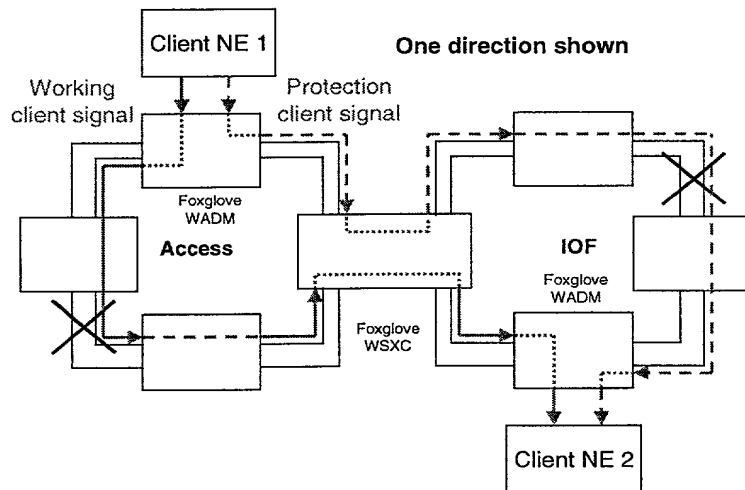


Figure 26

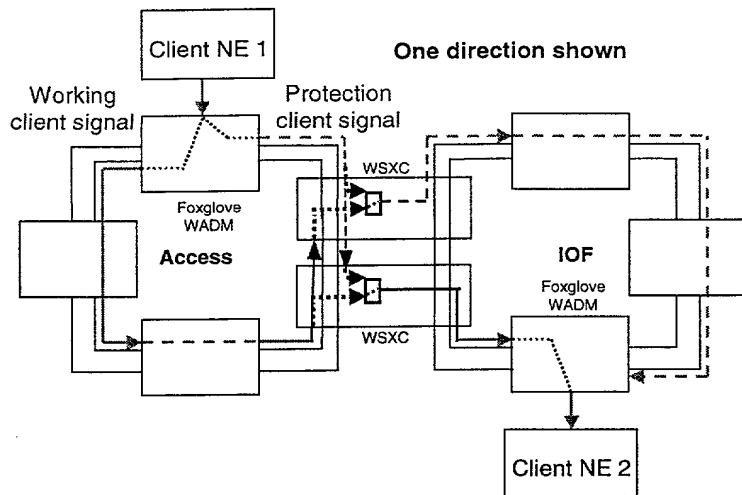


Figure 27 (Prior Art)

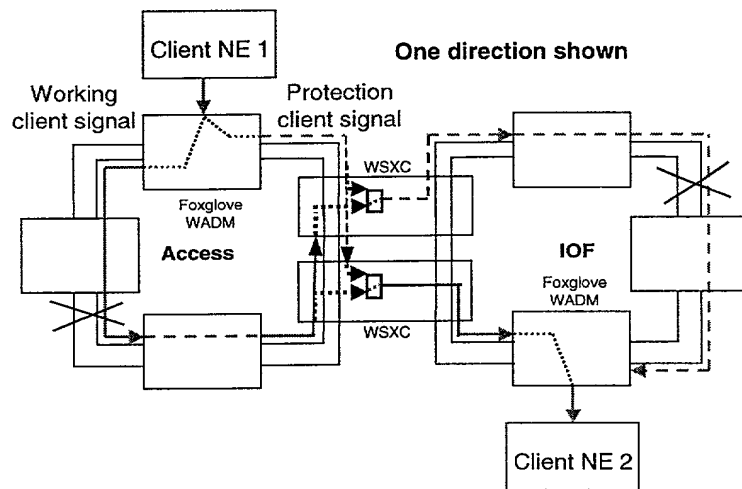


Figure 28 (Prior Art)

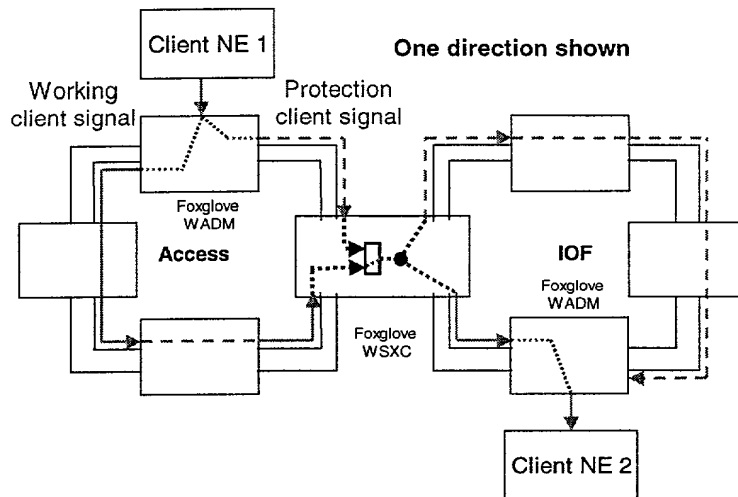


Figure 29

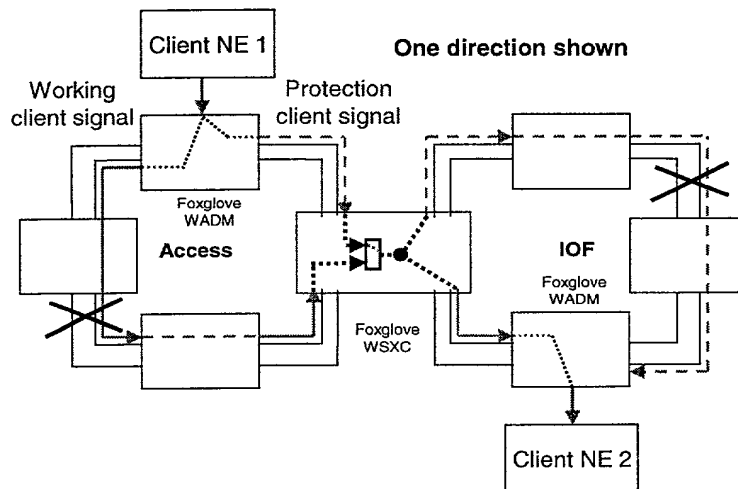


Figure 30

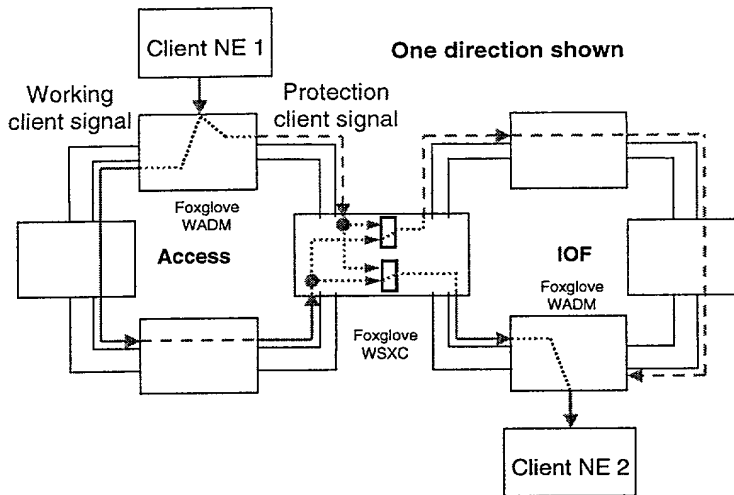


Figure 31

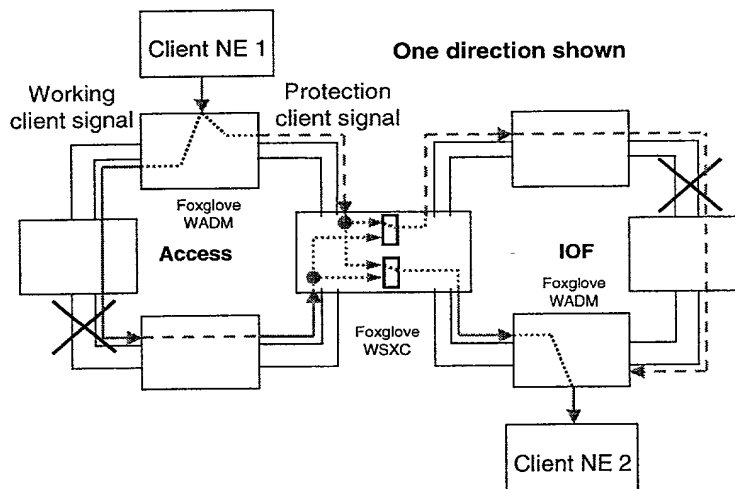


Figure 32

OTS Wideband Band Narrow- Channel Switch Channel Narrow- Band OTS
Termination amp Demux band Demux Fabric Muxes band Mux Source
amp

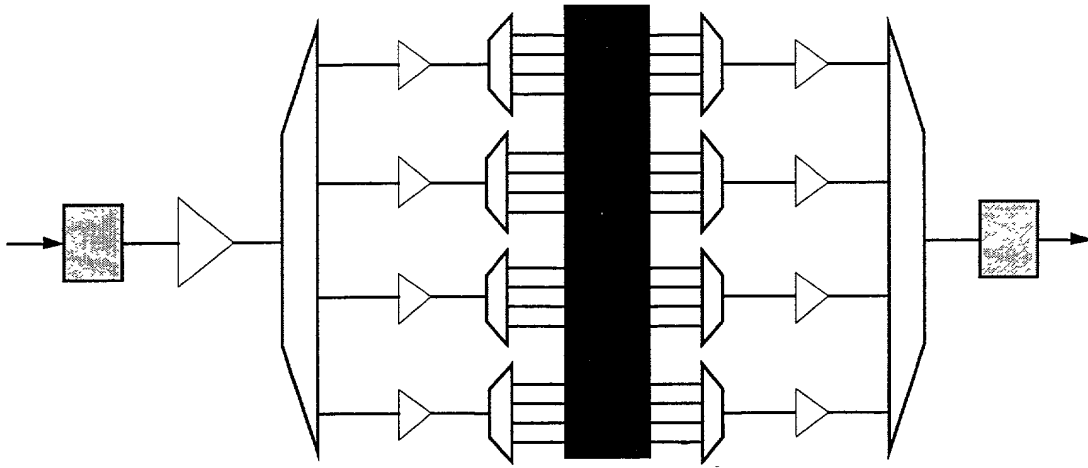


Figure 33

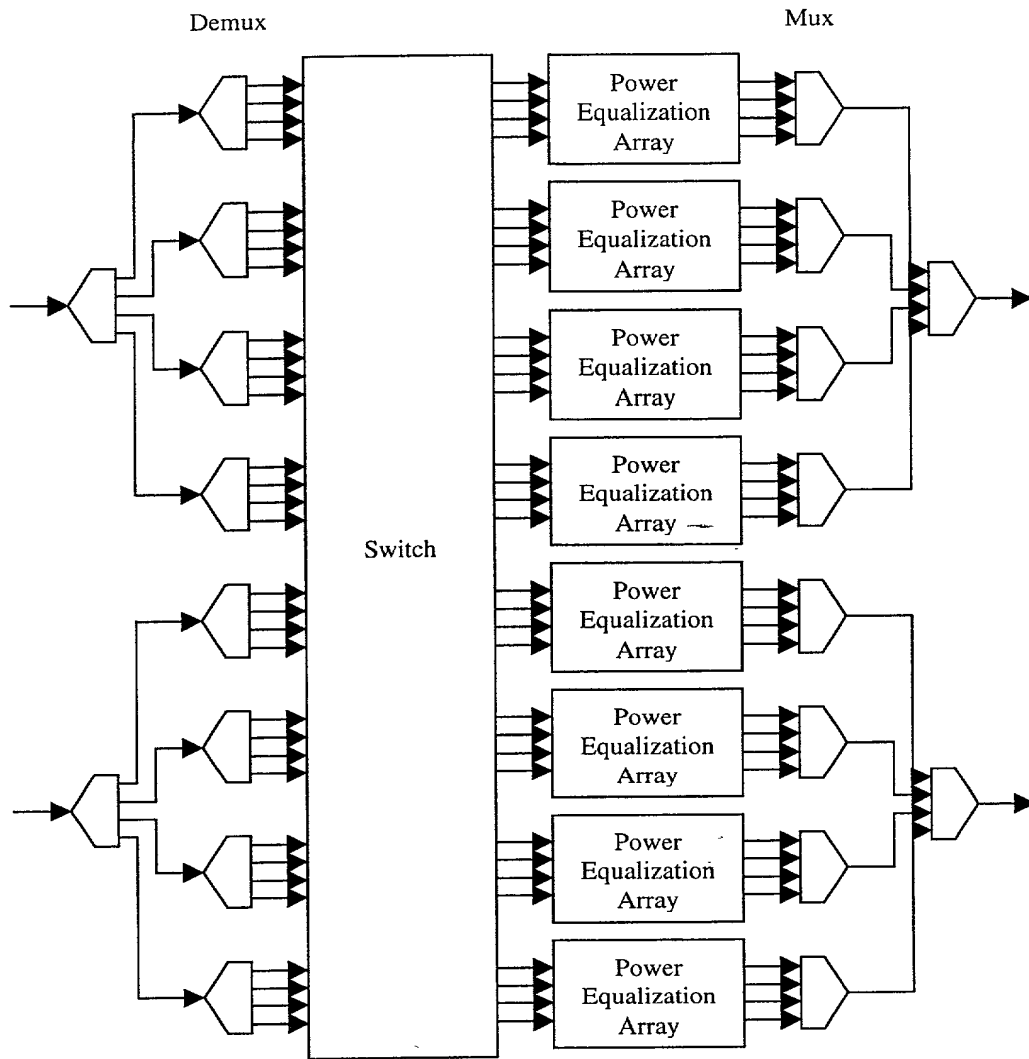


Figure 34

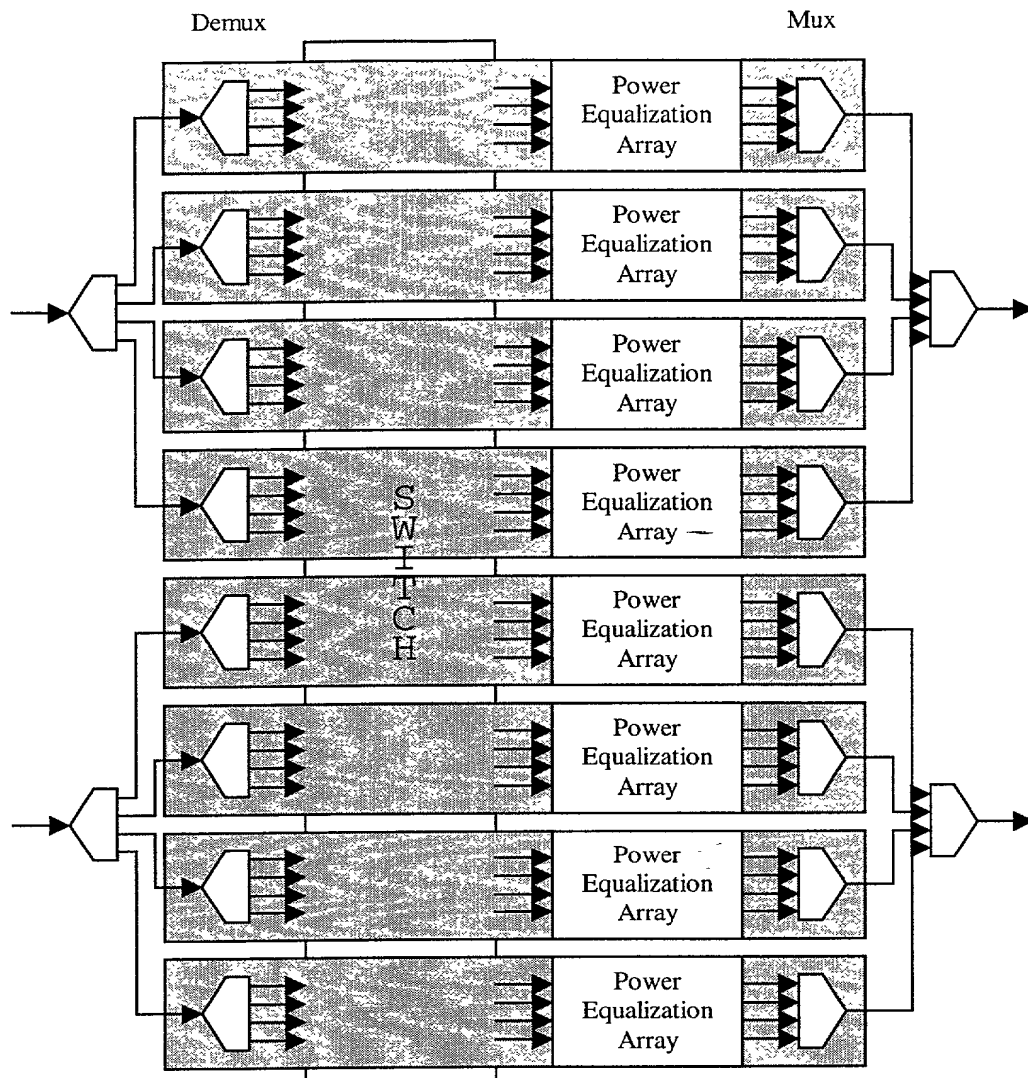


Figure 35

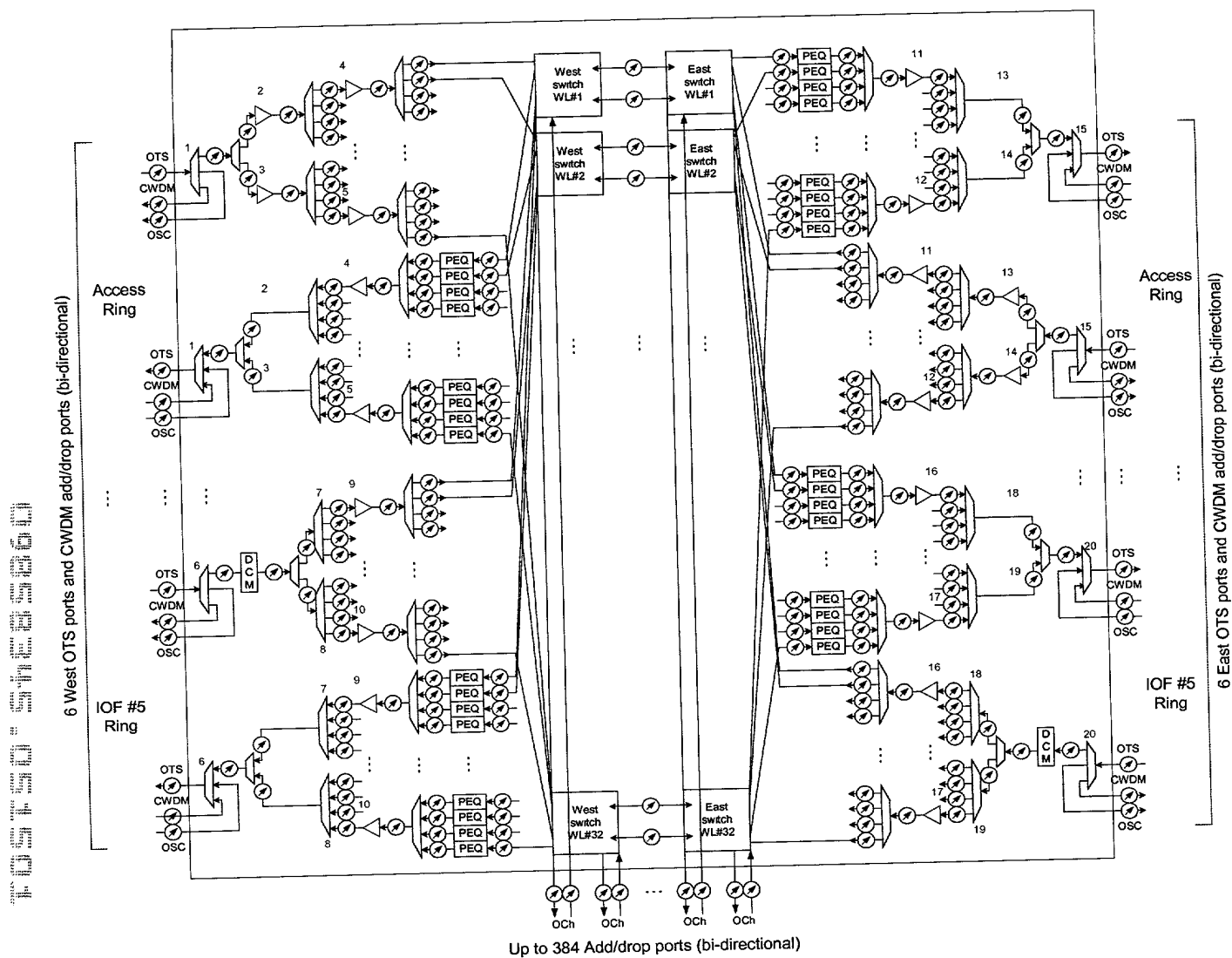


Figure 36

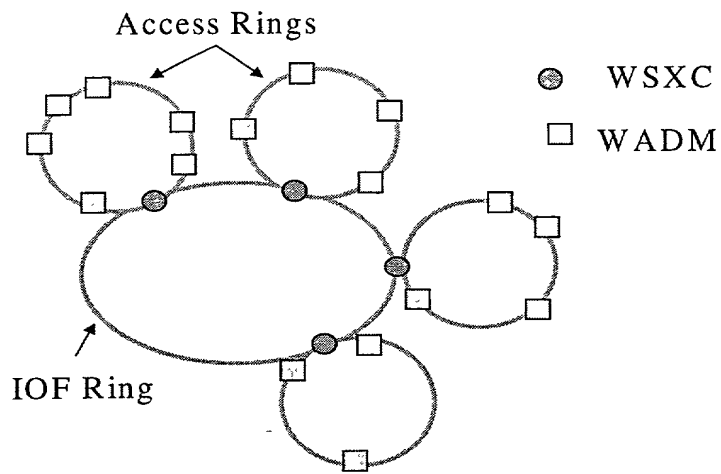


Figure 37

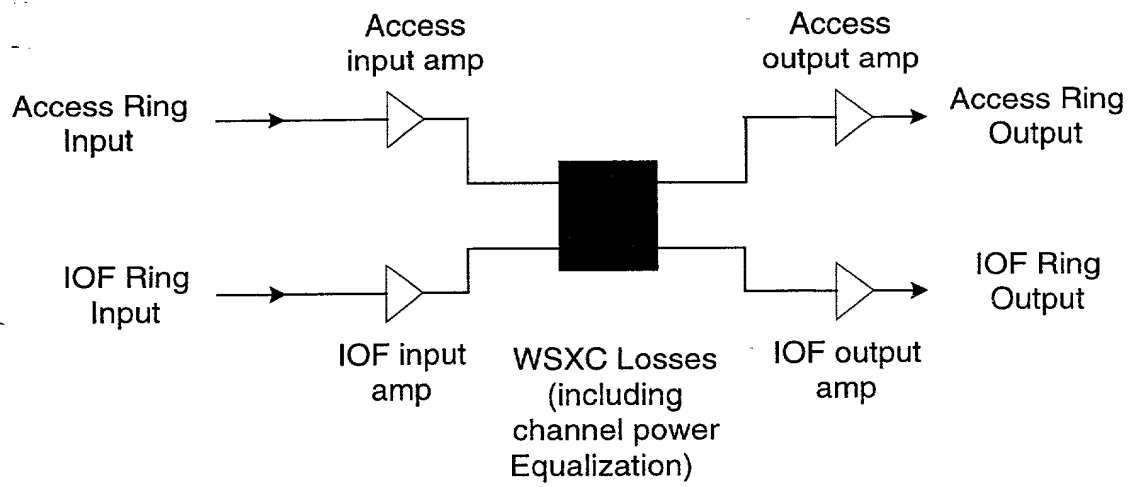


Figure 38